Work Orde August-29-13 1:3		06375	16.9811	*1	06375*			. *			Page 1
Revision ID:	546.9811	6	46.9811 8106375	Accept	*N900	0401	NN*	Setup	Start	*N:	S1* -
Item Name:	Jpper Defle	ector							Stop	*N:	S2*
Start Date: 8	3/29/13	Start Qty: 4.0	o * 2	*	Cust Item II	D:					新 华。"
Required Date: 8	3/29/13	Req'd Qty: 4.0	° *2	*	Customer:						
Reference:			_								
Approvals:	Process P	lan: MLJ	Date: <u>パー</u>	8-30 Tooling:	Da	te:		Run	Start	!/	R1*
**			Date:	SPC (Y/N):	Da	te:		£	Stop	*N	R2*
Sequence ID/ Work Center ID	· .	Operation Description		Set Up/ Run Hou	Tool ID	Tool# P	lan Acc		•	Reject Number	Insp. Stamp
Draw Nbr	R	evision Nbr				.,,	, , , , , , , , , , , , , , , , , , ,			•	
646.9800	у	e A W	1359.54							and a second	
¹ 00 *1∩∩*		BAND SAW		0.00		/	_ 1	4	TE TE		
Bandsaw		Memo		0.00	onl 13/09/	24		<i></i>			
Jeaspa Bandsaw		Cut Bla	ank at 32.700"								
		*** ON	NE BLANK MAKES TY	VO PARTS***							
110				0.00		•					
110		HAAS CNC VERT	ICAL MACHINING #1	0.00	L 13/09/28	?		1	رظر		•
HÃAS I HAAS ĈNC vertical r	machine #1	DWG F	nine per folio FB131 REV: A REV: A	0.00			,	,		•	
44											

2- deburr and break all sharp edges

										DQA:	Date	
NCR: Y	'es /	No			WORK ORDER NON-C	O	NFORN	/ANCE / UP	DATE	·		
									•	QA Closed:	Date	
Work Orde					DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Work Orde	··· —				Rework	1		Skid-tube	Crosstube	1	Water Jet	Engineering
Part N	lo.				Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is			noforming	Finishing	Rec/Stor	e/Packaging	Other
NCR N	lo				Work Order Update			Large Fab	Composite]	Supplier	
Root				Descri	ption of work order update		nitial	Ac	tion	Sign &		
Cause	Da	te Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling						İ				:		
Operator						}	:					
Material		ļ									-	
Setup											:	
Other												
Process			1				:					
Supplier	Ш											
Training												
Unapproved												
				······································		AUL	T CATE	GORY				
Landi	ng Gear				General	_	7		_	7	r	7
	Ben	_			Bend		Grain			Ovalized		Pressure/Forced
	—	re Not Conce	entric to	o/s	BOM/Route	<u>_</u>	Hardwa			Over/Under		Temperature/Cure
	Crac			ļ	Broken/Damaged		1	ion Incomplete		Part Incorre	<u> </u>	Weld
	-	hed/Crimped	t	<u> </u>	Burrs		4	ions Incomplete	/Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuff	5		<u> </u> _	Contamination		Mainte			Part Moved		
	Hea	Treat			Countersink		Mislabe	eled		Positioned V	_	
	insp	ection Strip i	n Tube	L	Cut Too Short	L	Misread	i		Power Loss/	Surge	Other
1	Ring	les in Bend		1.	Drill Holes	1	Offset					

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID 106375 *106375* Page 2 August-29-13 1:31:54 PM Item ID: 646.9811 Accept *N900040100* Setup Start **Revision ID:** Upper Deflector Item Name: 8/29/13 Start Qty: 4.00 Start Date: **Cust Item ID:** Required Date: 8/29/13 Reg'd Oty: 4.00 **Customer:** Reference: Run Process Plan: _____ Date: ____ Tooling: Date: Approvals: Stop SPC (Y/N): OC: Date: Date: Sequence ID/ Set Up/ Tool # Plan Reject Operation **Tool ID** Accept Reject Insp. Work Center ID Qty Qty Stamp Code Number Description **Run Hours** 0.00 120 QC2- Inspect parts off machine FAI/FAIB one 13/09/29 *120* QC 0.00 Memo **Quality Control** QC8- Inspect parts - second check 0.00 130 *120* Sf 13-10-02 QC-Memo Quality Control 140 Outsource process-Anodize per QSI017 4.1.10.1 0.00 CL13/10/04 (4) *140* Outsource4 0.00 Issue P/O to ATG: 2/603 Outsource process - Anodize 1- Black Anodize as per Dwg 646.9800

2- PRIME AS PER DWG, SEE NOTE #2
Certification of Comformity is required

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORM	AANCE / UP	DATE			
											QA Closed:	Date:	
Work Ord	or.					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
WOIK OIG	-					Rework	٦		Skid-tube	Crosstube	1	Water Jet	Engineering
Part I	No.					Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
						Use-as-is			noforming	Finishing	Rec/Sto	re/Packaging	Other
NCR I	No.					Work Order Update	1		Large Fab	Composite		Supplier	
										-			
Root					l	ption of work order update		Initial		ction	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Cr	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data							1						
Equip/Tooling							ļ						
Operator											Ì		
Material			ļ										
Setup					Ì								
Other													
Process			Ì										
Supplier													
Training					Į								
Unapproved			<u> </u>									<u> </u>	
							FAU	LT CATE	GORY				
Land	ing (7			_	General	_	7		_	7		1
		Bending				Bend	\perp	Grain		<u> </u>	Ovalized		Pressure/Forced
	_	Centre N	ot Conce	ntric to	o/s	BOM/Route	\perp	Hardwa			Over/Under		Temperature/Cure
		Cracks				Broken/Damaged	_	- '	ion Incomplete	_	Part Incorre		Weld
	\perp	Crushed/	'Crimped			Burrs	\perp	-4	ions Incomplete,	/Unclear	Part Lost/M	· _	Wrong Stock Pulled
		Cuffs				Contamination	<u> </u>	Mainte		<u></u>	Part Moved		
		Heat Tre				Countersink	L	Mislabe	eled		Positioned \		7
1		Inspection	n Strip in	Tube	1	Cut Too Short	1	Misread	t		Power Loss/	'Surge	Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Work Orde		06375		*106:	375*							Page 3
Revision ID:	646.9811 Upper Deflec	ctor		Accept	*N900	040	100)*	Setup	Start Stop	*N:	S1* S2*
	8/29/13	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item I Customer:	D:						
Approvals:		lan:		Tooling: SPC (Y/N):		ate:			Run	Start Stop		R1* R2*
Sequence ID/ Work Center II 150 *150* Packaging Packaging)	Operation Description Receive & Inspect for D Memo	amage & Mat'l Certs	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	t Rej Qty		Reject Number	Insp. Stamp
155 *155* QC Quality Control		QC5- Inspect part comp Memo	leteness to step on W/O	DAS 0.00 27 9-89 0.00 B, 10 29)	÷		4				
180 *180* Packaging		Identify as per dwg & St	ock Location: <u>Composi</u> (Finish					4				M 13.1

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

Packaging

DQA: Date:	
------------	--

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

TTCT.	cs / 110									QA Closed:	Date	:
Work Orde	r·				DISPOSITION				AGAINST DE	PARTMENT/	PROCESS	
Part N					Rework Scrap		1	Skid-tube Machining	Crosstube Small Fab	3	Water Jet d. Eng. Coor.	Engineering Quality
NCR N	O				Use-as-is Work Order Update]		noforming Large Fab	Finishing Composite	Rec/Stor	re/Packaging Supplier	Other
Root				Descri	ption of work order update	1	nitial	Act	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
quip/Tooling								ĺ				
Operator												
Material [1										
Setup												
Other								1				
Process						-						
Supplier												
Training												
Unapproved		<u> </u>										
					F	AUL	T CATE	GORY				
Landir	ng Gear			<u></u>	General					,	_	
	Bending				Bend		Grain			Ovalized		Pressure/Forced
[Centre N	ot Conce	ntric to (o/s	BOM/Route		Hardwa	ire	<u></u>	Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspect	ion Incomplete	<u> </u>	Part Incorred	ct _	Weld
	Crushed/	Crimped			Burrs		Instruct	tions Incomplete/	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuffs				Contamination	L	Mainte	enance		Part Moved		
	Heat Trea	at			Countersink	L	Mislabe	∍led		Positioned V	Vrong	-
	Inspectio	n Strip in	Tube		Cut Too Short		Misrea	Ė		Power Loss/	Surge	Other
	Ripples ir	n Bend			Drill Holes		Offset					
	Torque V	Vaves in I	Extrusio	n [Drawing		Out of	Calibration				
	Turning S	Sequence	<u>!</u>		Finish		Out of	Sequence				
	Wave/Tv	vist in Tu	be		Folio		Outside	e Dimensions				

Work Orde		06375		*106	3375*						Page 4	*
Item ID: Revision ID: Item Name: Start Date:	646.9811 Upper Deflec 8/29/13	stor Start Qty: 4.00	*4*	Accept	*N900		100) *' '	Setup St		NS1* NS2*	
Required Date: Reference:		Req'd Qty: 4.00	*4*		Cust Item I Customer:	υ;						
Approvals:	Process Pl		Date:	Tooling:	D:	ate:		I		art *	JR1*	
	QC:		Date:	SPC (Y/N):	Da	ate:			50	,op *	JR2 *	
Sequence ID/ Work Center II	D	Operation Description QC21- Final Inspection -	Work Order Pologo	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Numb		/
*190 QC		Memo	Work Order Release	0.00					13/	11/14	10	
Quality Control											MF	. (
											me vol	1 / 13

		:		DQA:	Date:	
ICR.	Voc / 1	No	WORK ORDER NON-CONFORMANCE / UPDATE	-		

NCIV.	C 3	/ 140				WORK ORDER NOW			in itely of t		QA Closed:	Date:	·
Work Orde	r.				·	DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
	_					Rework Scrap		ı	Skid-tube Machining	Crosstube Small Fab		Water Jet d. Eng. Coor	Engineering Quality
NCR N	lo.					Use-as-is Work Order Update]		noforming Large Fab	Finishing Composite	Rec/Stor	re/Packaging Supplier	Other
Root		,	***		Descri	ption of work order update		nitial	Act	tion	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												!	
Equip/Tooling													
Operator													
Material			٠.										
Setup	_						1						
Other	4			Ì									
Process	_						İ						
Supplier													
Training	-												
Unapproved	لـــا					·		T CATE	CORV		<u> </u>		
londi			 			r General	·AUI	. I CATE	GORT				
Landi	_	Bending				Bend		Grain			Ovalized		Pressure/Forced
	_	Centre No	ot Conce	ntric to	o/s	BOM/Route	-	Hardwa	ire		Over/Under	tolerance	Temperature/Cure
	-	Cracks	or contect	110.10.00	°''	Broken/Damaged		-	ion Incomplete		Part Incorre		Weld
		Crushed/	Crimped			Burrs	\vdash	4 '	tions Incomplete/	Unclear	Part Lost/Mi		Wrong Stock Pulled
		Cuffs	S P C S.			Contamination	\vdash	Mainte	• •		Part Moved		J
	\vdash	Heat Trea	ıt			Countersink		Mislabe			Positioned V	Vrong	
		Inspection		Tube		Cut Too Short		Misrea			Power Loss/	_	Other
		Ripples in				Drill Holes		Offset			•	-	
		Torque W		Extrusio	n	Drawing		Out of	Calibration				
		Turning S	equence	!		Finish		Out of	Sequence				

Outside Dimensions

Wave/Twist in Tube

Picklist Print

- August-29-13 1:31:54 PM

Work Order ID:

106375

Parent Item:

646.9811

Parent Item Name:

Upper Deflector

Start Date: 8/29/13

Required Date: 8/29/13

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP REV:A NEW ISSUE 12/09/10 JFS VERIFY BY DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6B5.000X0.375 7075-T6 BAR 5.000" X 0.	375"	Purchased	No			100	f	85.5297	1.36	5.7263156			
				Location		Loc Oty	Lo	c Code					
				MAT049		85.5297							
				1232		27.4357							
				1234	18	2.464							
				m12	6390	5						1 1	1
				m12	6615	50.63			_5	7. 7 3	SWX	13/0	4/20

Page 1

												DQA:	Da	ite:	•
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFOR	MANCE / UP	DATE					•
#*************************************												QA Closed:	Da	ite:	
Work Ord	or:					DISPOSITION				AGAINST	DE	PARTMENT	/PROCESS		
Work Ord	ет.					Rework	٦		Skid-tube	Crosstube		1	Water Jet		Engineering
Part I	Nο.					Scrap	1		Machining	Small Fab	_	Pro	d. Eng. Coor.	_	Quality
						Use-as-is	1		noforming	Finishing	-	4	e/Packaging		Other
NCR	No.					Work Order Update	1		Large Fab	Composite			Supplier	-	
						,	_								
Root					Descri	ption of work order update		Initial	Ac	ction		Sign &			
Cause		Date	Step	Qty		or Non-conformance	Cŀ	nief Eng	Desc	ription		Date	Verificatio	ın	QC Inspector
Doc/Data															
Equip/Tooling	<u> </u>						İ		,			1			
Operator	$ldsymbol{le}}}}}}}$														
Material										•					
Setup]		ı	
Other		_													
Process															
Supplier							۱.,	j							
Training							1	•	}						
Unapproved	<u> </u>		<u> </u>	<u> </u>											
							AU	LT CATE	GORY	~					
Land	ing	7				General		٦		!	_	1 ₋		_	l_ <i>,</i>
	\vdash	Bending				Bend	\vdash	Grain			L	Ovalized		\vdash	Pressure/Forced
	<u></u>	Centre N	ot Conce	ntric to	O/S	BOM/Route	<u> </u>	Hardwa				Over/Under		\vdash	Temperature/Cure
		Cracks			L	Broken/Damaged	_	- '	ion Incomplete		_	Part Incorre			Weld
1		Crushed/	Crimped			Burrs		Instruc	tions incomplete,	/Unclear	1	Part Lost/Mi	issing	1	Wrong Stock Pulled

Instructions Incomplete/Unclear

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

Part Moved

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Crushed/Crimped

Inspection Strip in Tube

Torque Waves in Extrusion

Cuffs

Heat Treat

Burrs

Contamination

Countersink

Cut Too Short Drill Holes

Drawing

Finish

DART AEROSPACE LTD	Work Order:	106375
Description: Unper Deflector	Part Number:	6469811
77		
Inspection Dwg://4/6.9800 Rev: A	n _e ,	Page 1 of 1

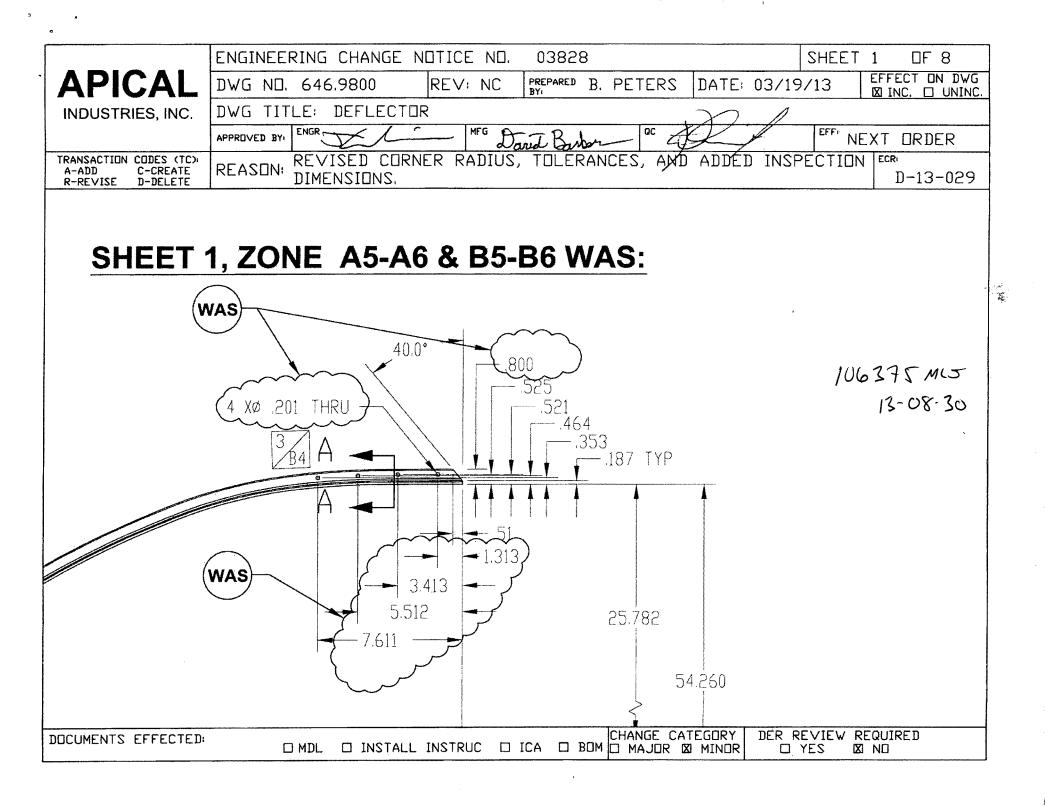
FIRST ARTICLE INSPECTION CHECKLIST

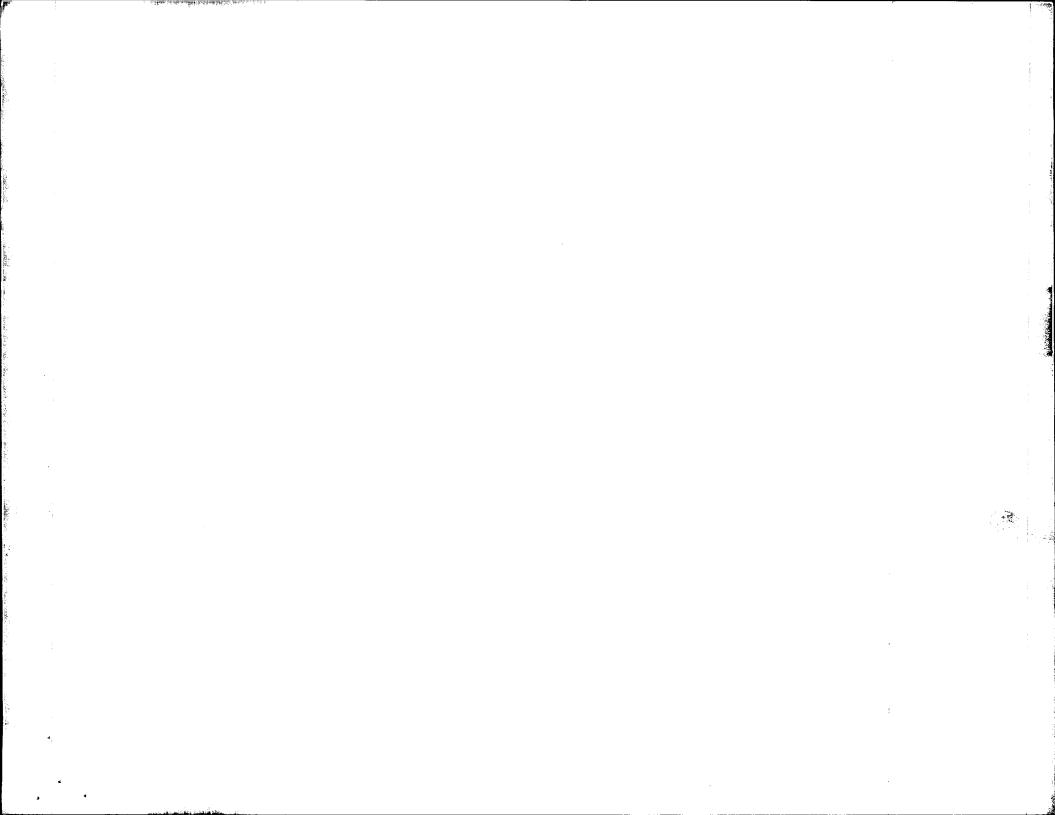
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
41.3	±1/2°	41.30			C-Sauss	HI-CBP
49.80	± 1/2°	49.8'			,,	MI-CBR MI-OL
B.188	+ .005 007 + .005 001	B:189			Vem	111-06
0.177	1.005	B.177			"	
6.250	±.020	6,250	بسيم		11	
.310	±.010	.3/0		-		
.70	= 020	698	, ,	**. *.	14	
- 340	+.000	.340			, .	
. 375	±.010	.380		-		
13× 45°	±.020/=1/2°	.130X45°			//	
2.110	+002	2.110			1,	
4.220	= 002	4,220			1,	
		_				

Measured by:	and	Audited by:	SI	Preliminary Approval:	
Date:	13/09/28	Date:	13-10-02	Date:	

Rev	Date	Change	Revised by	Approved
E	10.04:14	Added preliminary approval	KJ	

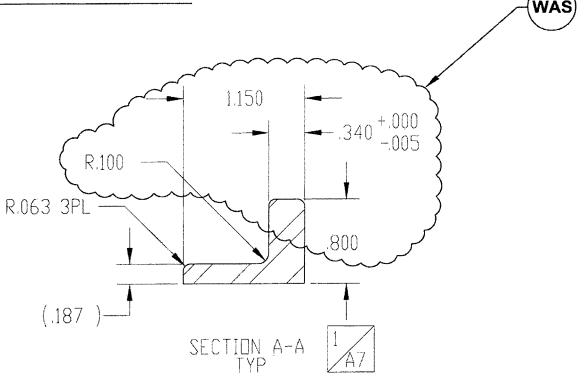
\$ 10.04.15





APICAL INDUSTRIES, INC. ENGINEERING CHANGE NOTICE NO. 03828 SHEET 2 OF 8

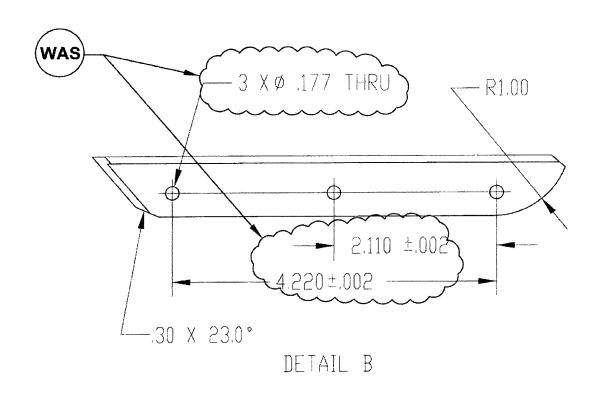
SHEET 3, ZONE A4 & A5 WAS:



SHEET 3 OF 8 APICAL INDUSTRIES, INC. | ENGINEERING CHANGE NOTICE NO. 03828 **SHEET 4, WAS:** (85°) R.25 -R6.00 - (18.27) - 17.51 -17.38 ø .188 THRU WAS -ø.177 THRU - 6.25 41.3° 49.8° .70 -(.64) -310 -0 .340 +.000 (21.38)

APICAL INDUSTRIES, INC. ENGINEERING CHANGE NOTICE NO. 03828 SHEET 4 OF 8

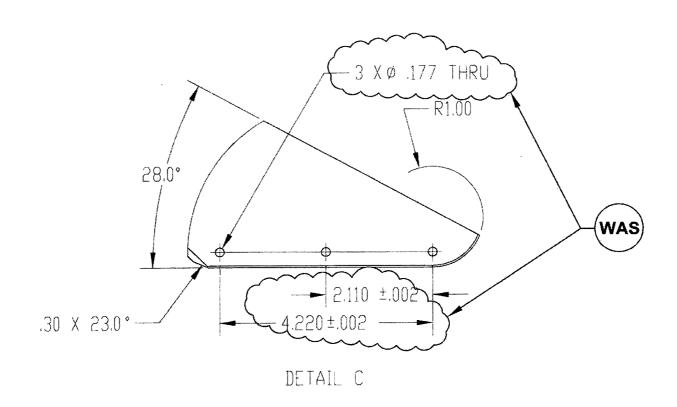
SHEET 4, ZONE C7 & C8 WAS:



.DF 8 ENGINEERING CHANGE NOTICE NO. 03828 SHEET 5 APICAL INDUSTRIES, INC. **SHEET 5, WAS:** - R:25 -2 XØ .188 THRU (5.7°) -11.64 WAS ø .177 THRU 5.02 4.18 38.5° 3.02 WAS -(.64) -.340 +.000 -.005 (19.36) 18.36

APICAL INDUSTRIES, INC. ENGINEERING CHANGE NOTICE NO. 03828 SHEET 6 OF 8

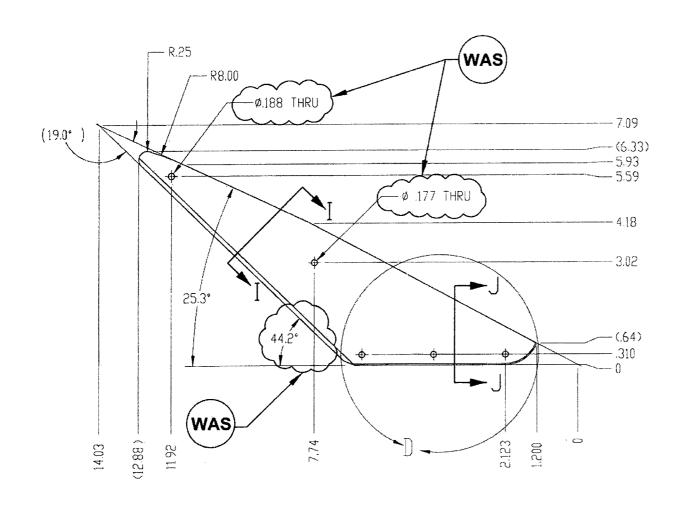
SHEET 5, ZONE C8, D7, & D8 WAS:

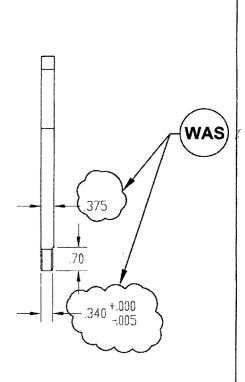


	。这种种性性现象。相对企业 的理解 使用。他们可以为	,	'	
				4600
Windows To The World Control of the World Control o				
de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la				
			1	
			i	
表) () ()				i
				in the second
				and a
				14
is E				
december 1997				
8				
*				
6.8 6. 5. 0.2				
•) 20 30				
, *				,
	An explaination of the property of the propert		1	46

APICAL INDUSTRIES, INC. ENGINEERING CHANGE NOTICE NO. 03828 SHEET 7 OF 8

SHEET 6, WAS:

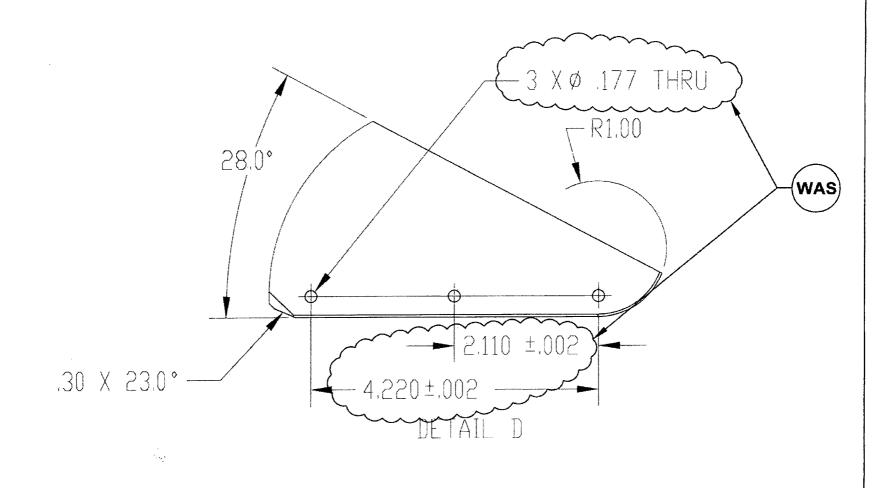




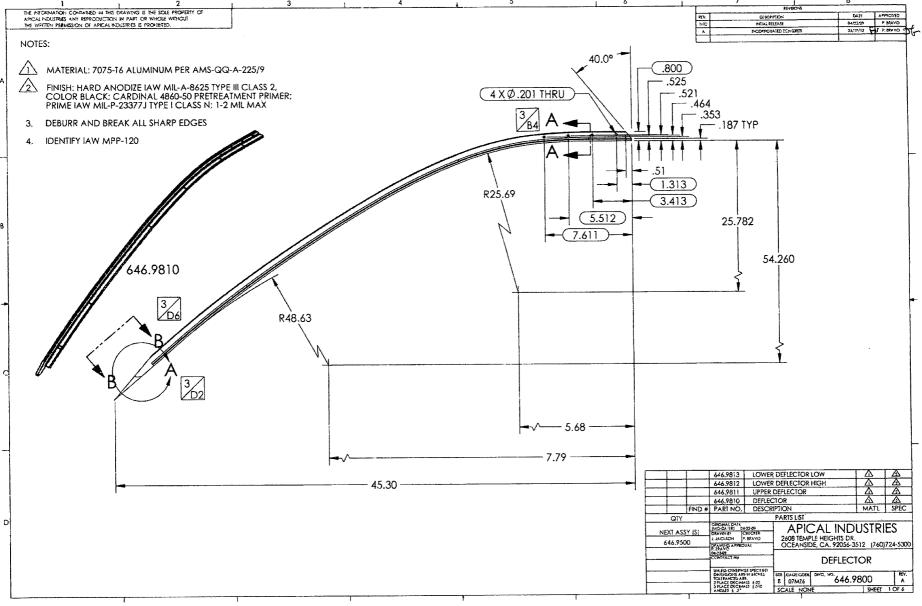
A CONTRACT OF THE STATE OF THE		
$+\sqrt{a}$		
		: ,
		:
	•	
	:	
	:	
	i	
	!	

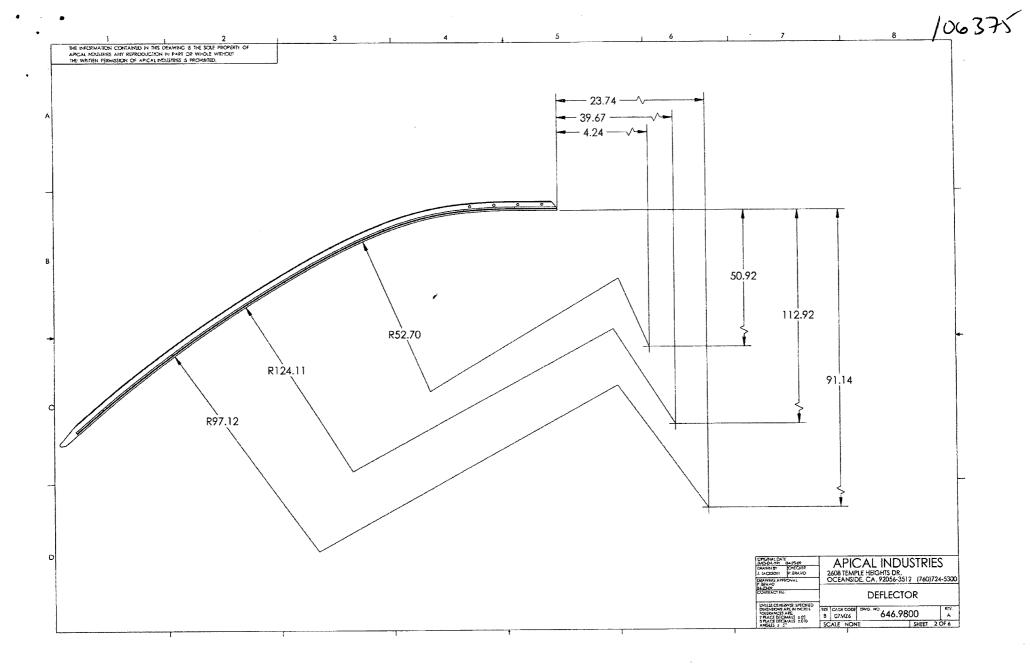
APICAL INDUSTRIES, INC. ENGINEERING CHANGE NOTICE NO. 03828 SHEET 8 OF 8

SHEET 6, ZONE C6 & D6 WAS:

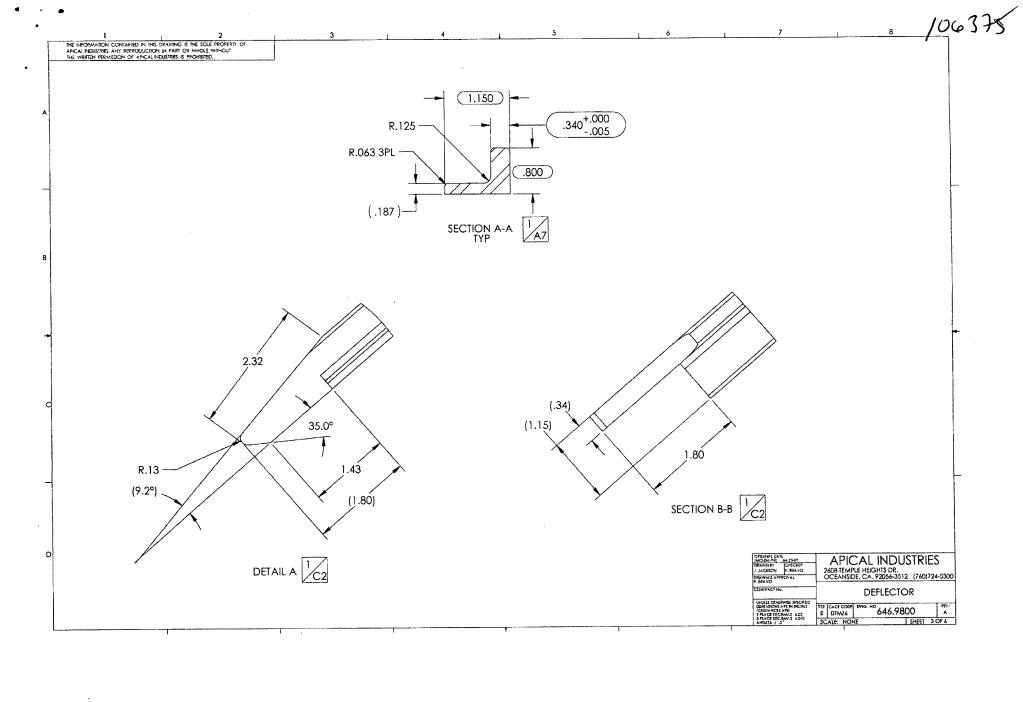


	1	The state of the s	
i ir			
			:
		•	
•	*		
			12

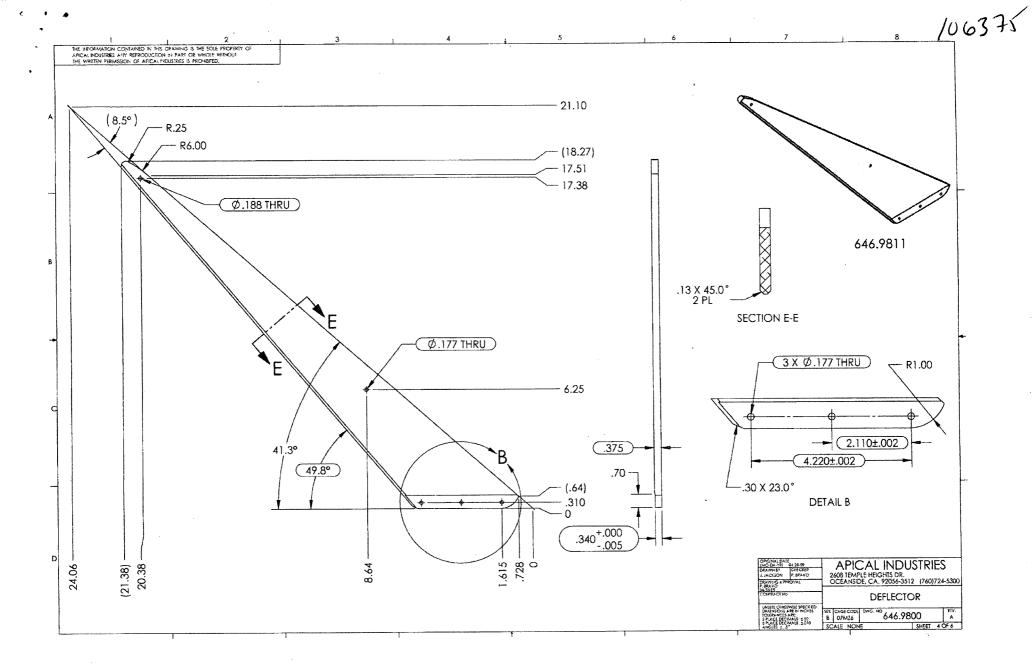


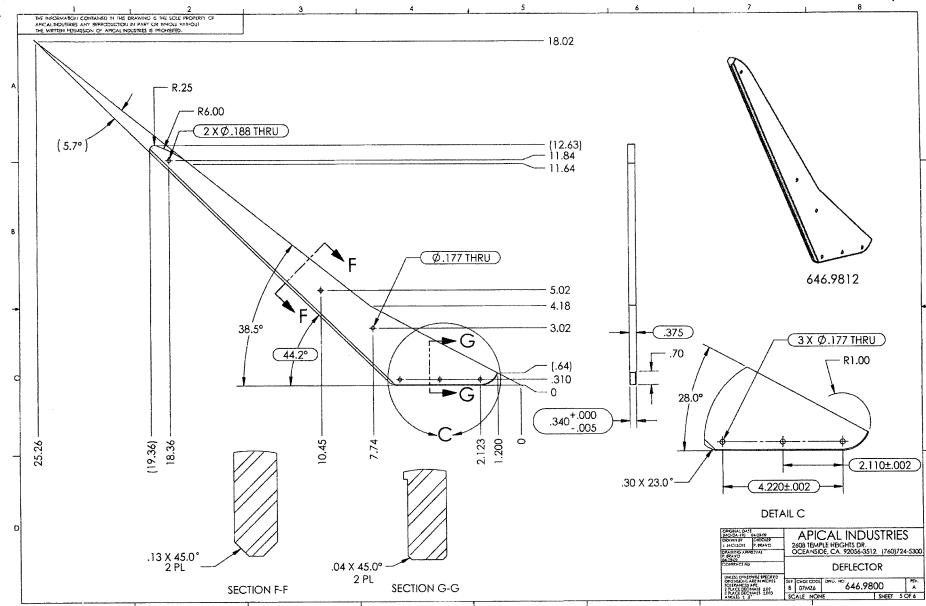


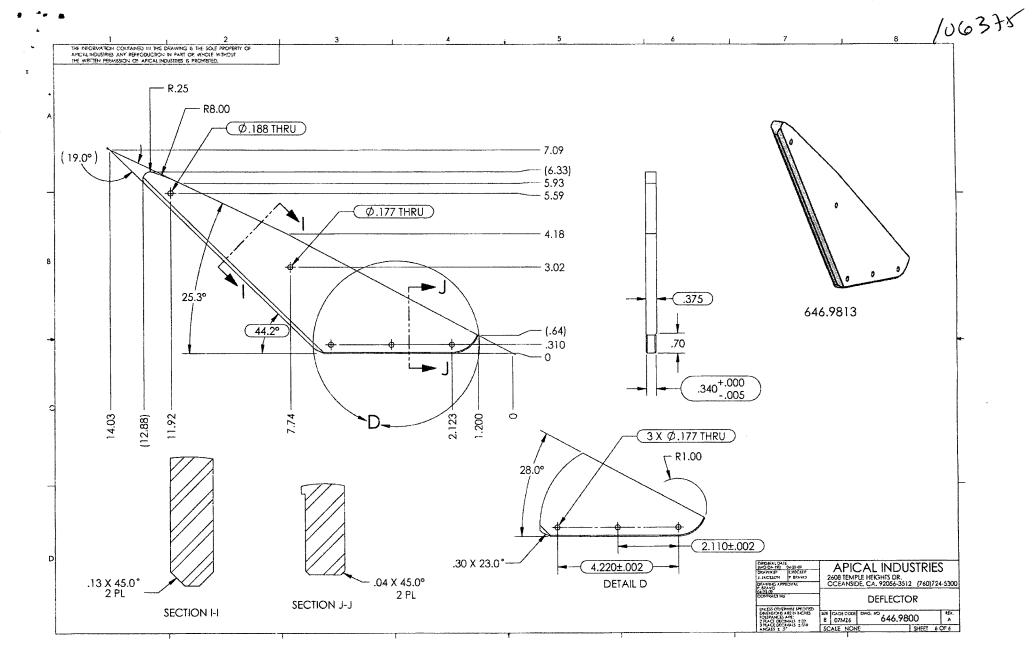
	and the state of t		
			•
			i r
Section 2007 P.			
in the state of th			
			i i
			!
Maria Control			
BOOK TO THE TOTAL THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TOT			
e Colored Colo			
86 6			
- vojima z			
	•		
•			
•			
v V	N. C. Carlotte		هو ا

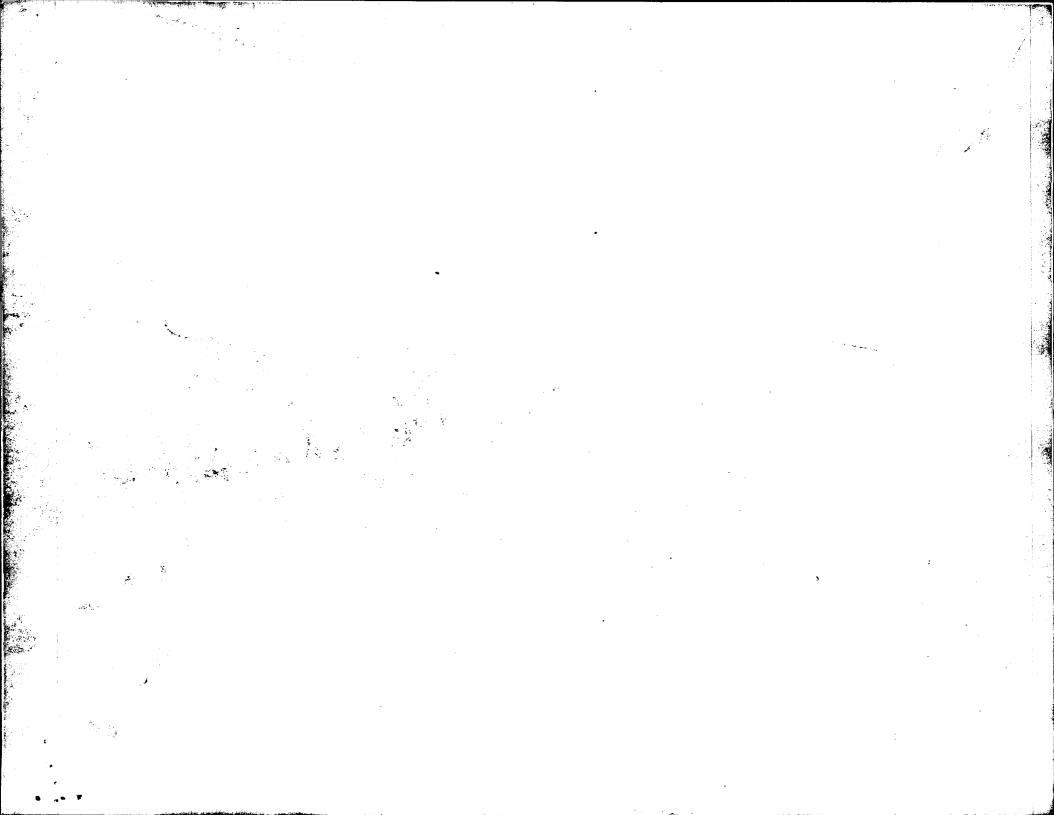


	****	ASSESSMENT OF THE PROPERTY OF					1	
						:		
						i	# J	
						; ;		
							:	*
							÷	
						•		
							: :	
4								
					·			
						- - - - -		
								•
								- 1.00 miles
					•			
• i	-		•					











A.T.G. Industries Inc. 731, rue Industrielle Rd. PLATING DEPARTMENT Rockland, On K4K 1T2 Canada

Ph: (613) 446-4544 Fax: (613) 446-4556

Pack List

Number: 62703

Date: 25-Oct-13

To

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 Canada **Ship To**

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via		
Quantity	Description			
1	Part: ASST		Rev:	
lot				
	5 PCS 646.2910 (48.00)			
	12 PCS 646.3610 (6.60) 31 PCS 646.3812 (6.55)		4	
	8 PCS 646.9811 (27.25)	,		
-	179			
	HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2			
	PRIME MIL-P-23377J TYPE I CLAS	SS N		
	PRICE IS PER PIECE			
	Job: 20130669	PO: 21603	Line:	
	Certificate of Cor	oformanae		
	A.T.G. Industries certifies that all items with all requirements, specifications and	in this shipment are in cor	nformance	
			ie purchase order.	
	ISO 9001 : 2008 REC ATG SALES-2010 TE			
	20//	INVISAFFET		
	DATE 33/10/13			
	Mn			
	CERTIFIED SIGNATURE :			
	RECEIVER SIGNATURE :			
				•
·				

1.湿疹糖类精素的,小腹膜炎精性、生物。